

**MISSOURI PUBLIC SERVICE COMMISSION
MANUFACTURED HOUSING PROGRAM
APPROVAL OF ANCHORING SYSTEMS**

MINUTE-MAN ANCHORS, INC.

| MODEL | MARK | DESCRIPTION | SOIL TYPE | DUAL STRAP |
|----------------|-------------|--|---------------------|-------------------|
| 650-DH 5/8" | MMA-2 | 50" Double Head Auger Anchor | 2, 3, 4 | * |
| 650-DH 3/4" | MMA-4 | 50" Double Head Auger Anchor | 2, 3, 4 | * |
| 650-DH 11/16" | MMA-38 | 50" Double Head Auger Anchor | 2, 3, 4 | * |
| 636-DH 5/8" | MMA-40 | 36" Double Head Auger Anchor | 2, 3 | NO |
| 636-DH 3/4" | MMA-28 | 36" Double Head Auger Anchor | 2, 3 | NO |
| 636-EZDH 3/4" | MMA-94 | 36" Double Head with EZ Stabilizer Cap | 325 in. lb. & above | NO |
| 860-DH 3/4" | MMA-85 | 60" Long, 8" Disk Double Head Anchor | 175 in. lb. & above | NO |
| 4430-DH 5/8" | MMA-30 | 30" Double Head/Disk Auger Anchor | 2, 3 | NO |
| 4430-DH 11/16" | MMA-36 | 30" Double Head/Disk Auger Anchor | 2, 3 | NO |
| 4430-DH 3/4" | MMA-6 | 30" Double Head/Disk Auger Anchor | 2, 3 | NO |
| 4430-DH 3/4" | MMA-6 | 30" Double Head with NC 1 Stabilizer Cap | 400 in. lb. & above | NO |
| 4430-EZDH 3/4" | MMA-92 | 30" Double Head/Double Disk Auger Anchor | 2, 3 | NO |
| 4450-DH 5/8" | MMA-53 | 50" Long (2) 4" Disk Double Head Anchor | 2, 3 | NO |
| 4450-DH 11/16" | MMA-54 | 50" Long (2) 4" Disk Double Head Anchor | 2, 3 | NO |
| 4450-DH 3/4" | MMA-55 | 50" Long (2) 4" Disk Double Head Anchor | 2, 3 | NO |
| 4636-DH 3/4" | MMA-52 | 36" Double Head/4" and 6" Helix | 300 in. lb. & above | NO |
| 36-XDH | MMA-35 | 36" Double Head Cross Drive Anchor | 1 | YES |
| 48-XDH | MMA-8 | 48" Double Head Cross Drive Anchor | 1 | YES |
| GW 2 | GW2-18 | 18" w/4" Helix/NC2 Stabilizer/Two 32" Rods | 450 in. lb. & above | NO |
| GW1 | GW1 | Rock Anchor w/NC2 Stabilizer/Two 16" Rods | Solid Rock Only | NO |
| THDH | MMA-18 | Double Tension Head | Slab | NO |
| 210-DH | MMA-12 | Double Head Tension Device for Slab | Slab | NO |
| 210-PDH | MMA-14 | Double Head Tension Device for Concrete | Slab | NO |
| 210-JDH | MMA-42 | Swivel Double Head Anchor with Base | Slab | NO |
| | NC 1 | Nu-Concept Stabilizer Cap | ** | |
| | NC 2 | Stabilizer Cap for GW series anchors | | |
| | MMA-29 | Frame Strap with Clamp | | |
| | MMA-32 | Frame Buckle with Strap | | |
| | FC2 W/S | Frame Clamp with Strap | | |
| | | Galvanized Steel Strapping | | |
| | MMA | Strap Extending Seals | | |
| MILL BOLT | | Anchor Tension Bolt | | |
| SLOT BOLT | | Anchor Tension Bolt | | |
| 44-RB | | Roof Bracket | | |
| 66-RB | | Roof Bracket | | |
| | | Anchor Stabilizing Device | 2, 3, 4 | |
| MMA LLBS | SD3 | Longitudinal & Lateral Bracing System | 1,2,3,4 | Steel Bracing*** |
| MMALLBS | CAF | LLBS Dry Concrete Application | Concrete | Steel Bracing**** |
| MMALLBS | CFW | LLBS Wet Concrete Application | Concrete | Steel Bracing**** |

STANDARDS FOR INSTRUCTIONS:

- 1) Anchors and all components must be installed per manufacturer's instructions.
- 2) Anchors are approved for designated soil type only.
- 3) Consult manufactured home set up instructions for number of frame tie downs, over the roof tie downs, and tie down spacing.

*Approved for dual strap use in soil types 2 and 3 only.

**Approved for use with anchors matching the specifications of the MMA-6 listed above (3/4 " x 30") double head with double 4" disc), in 400 in. lb. soil and above.

*** Per Mfg. Installation Instructions & Home Mfg. must also have approved the system.

**** Per Minute-Man Installation Instructions.

On condition that the anchor manufacturer obtains approval for usage from the Missouri PSC.

DATE: July 12, 2004

Ron Pleus
Manufactured Housing and Modular Units Program